01-08-02

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UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No		476-2084.1	.03			
First Inventor		Houston	65			
Title	Improvements in and Relating to Auto-Tunnelling in a Heterogeneou					

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Express Mail Label No. EL 874 025 576 US

APPLICATION ELEMENTS Soe MPEP chapter 600 concerning utility patient application contents. ADDRESS TO: Management and communication application contents. ADDRESS TO: Management and promise and application of processing) Applicant claims small entity status. See 37 CPR 127 3.									
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Applicant claims small entity status. Applicant claims small entity status. Conjugate and Continuation Conjugate and Continuation Conjugate and Conjugate and Sequence Submission (if applicable, all necessary)	1.	Fee Transmittal Form (e g , PTO/SB/17) (Submit an original, and a duplicate for fee processing)	7. CD-ROM or CD-R in duplicate, large table or Computer						
Description till of the invention			8. Nucleotide and/or Amino Acid Sequence Submission						
Descriptive title of the invention Cross Reference to Related Applications Statement Regarding Fed sponsored R & D Reference to Sequence listing, a table, or a computer of the invention Bert Summary of the invention Bert Summary of the invention Detailed Description Detailed Description Detailed Description Abstract of the Disclosure Detailed Description Newly executed (original or copy) Copy from a prior application (37 CFR 1.53(d)) Refundamental in the prior application set of the Specifically itemated (if original proving) a claimed Refundamental in the prior application or a corporation Refundamental in the prior application or a corporation of the Disclosure Detailed Description Newly executed (original or copy) Detailed Description Refundamental Disclosure Detailed Description Refundamental Disclosure Refundamental Disclosure Refundamental Disclosure Refundamental CIDS/PTO-1449 Copies of IDS Statement (IDS/PTO-1449 Refundamental Disclosure Statement (IDS/PTO-1449 Refundamental Disclosure Refundamental Disclosure Refundamental Disclosure Refundamental Disclosure Refundamental Disclosure Refundamental Disclosure Refundamental Cids/Pto-1449			a. Computer Readable Form (CRF)						
- Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4.	1	,	b. Specification Sequence Listing on:						
Statement Regarding Fed sponsored R & D Reference to sequence listing, a table, or a computer program listing appendix Background of the Invention Brief Summary of the Invention Brief Summary of the Invention Brief Summary of the Invention Claim(s) Detailed Description Claim(s) Abstract of the Disclosure ACCOMPANYING APPLICATION PARTS ACCOMPANYING APPLICATION PARTS ACCOMPANYING APPLICATION PARTS ACCOMPANYING APPLICATION PARTS Sangment Papers (cover sheet & document(s)) ACCOMPANYING APPLICATION PARTS Basignment Papers (cover sheet & document(s)) ACCOMPANYING APPLICATION PARTS Basignment Papers (cover sheet & document(s)) ACCOMPANYING APPLICATION PARTS Basignment Papers (cover sheet & document(s)) ACCOMPANYING APPLICATION PARTS Basignment Papers (cover sheet & document(s)) ACCOMPANYING APPLICATION PARTS Basignment Papers (cover sheet & document(s)) ACCOMPANYING APPLICATION PARTS Basignment Papers (cover sheet & document(s)) Information Document (if applicable) Power of Attorney (when there as an assignee) Power of Attorney Repulsed Refur Receipt Postcard (MPEP 503) (should be specifically intermized) Information Document (if application formation power of Attorney Information Date Information Papers (cover sheet & document(s) Information Document (if application formation power of Attorney Information Declaration (Information papers (application of Attorney Papers) Basignment Papers (cover sheet & document(s) Information Document (if application formation formation formation papers assignment) Basignment Papers (cover sheet & document(s) Information Duccument (if application formation formation formation papers assignment) Basignment Papers (cover sheet & document(s) Information Duccument (if application formation formation papers and papers a			i. CD-ROM or CD-R (2 copies); or						
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Detailed Description Claim(s) Abstract of the Disclosure Abstract of the Disclosure 10.			ACCOMPANYING APPLICATION PARTS						
Abstract of the Disclosure 4.	-	· Detailed Description							
5. Oath or Declaration a. Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63(d)) b. Copy from a prior application (37 CFR 1.63(d)) copy from a prior application (37 CFR 1.63(d)) b. Copy from a prior application (37 CFR 1.63(d)) for continuation/divisional with Box 18 completed) b. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)/ 1.63(d)(2) and 1 33(b). 6. Application Data Sheet. See 37 CFR 1.76 Continuation Data Sheet under 37 CFR 1.76 Continuation Divisional Data Sheet under 37 CFR 1.76 Continuation Divisional Continuation-in-part (CIP) of prior application No //(filed 21 Dec. 01) Prior application information: Examiner For Continuation Considered a part of the disclosure of the accompanying continuation of divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS City Chicago State II. Zip Code 60690 Country U.S.A. Telephone 312-368-1300 Fax 312-368-0034			10. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney						
5. Oath or Declaration a. Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63(d)) b. Copy from a prior application (37 CFR 1.63(d)) copy from a prior application (37 CFR 1.63(d)) b. Copy from a prior application (37 CFR 1.63(d)) for continuation/divisional with Box 18 completed) b. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)/ 1.63(d)(2) and 1 33(b). 6. Application Data Sheet. See 37 CFR 1.76 Continuation Data Sheet under 37 CFR 1.76 Continuation Divisional Data Sheet under 37 CFR 1.76 Continuation Divisional Continuation-in-part (CIP) of prior application No //(filed 21 Dec. 01) Prior application information: Examiner For Continuation Considered a part of the disclosure of the accompanying continuation of divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS City Chicago State II. Zip Code 60690 Country U.S.A. Telephone 312-368-1300 Fax 312-368-0034			11 English Translation Document (if applicable)						
5. Oath or Declaration a. Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63(d)) b. Copy from a prior application (37 CFR 1.63(d)) for continuation/divisional with Box 18 completed) l. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.53(d)(2) and 1 33(b). 6. Application Data Sheet. See 37 CFR 1.76 17. Other. 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Information. Examiner Continuation Divisional Continuation information. Examiner For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation and only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label or X Correspondence address below (Insert Customer No or Attach bar code label here) William M. Lee, Jr. LEE, MANN, SMITH, MCWILLIAMS, SWEENEY & OHLSON Address P.O. Box 2786 William M. Lee, Jr. LEE, MANN, SMITH, MCWILLIAMS, SWEENEY & OHLSON Registration No. (Attorney/Agent) VISIA. Registration No. (Attorney/Agent) VISIA. Registration No. (Attorney/Agent) VISIA. Registration No. (Attorney/Agent) VISIA. VIRIATION CARTERION.	4. 🗸 [Drawing(s) (35 U.S.C. 113) [Total Sheets 4]	Information Disclosure Conies of IDS						
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b	a.	Newly executed (original or copy)	Return Receipt Postcard (MPEP 503)						
DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) If Groigin pority is claimed) Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i) Applicant must attach form PTO/SB/35 or its equivalent 1.63(d)(2) and 1.33(b).	b.	Copy from a prior application (37 CFR 1.63(d))	(Should be specifically itemized)						
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.53(d)(2) and 133(b). 17. Other.	L								
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Prior application information: Examiner Group / Art Unit For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label or Correspondence address below (Insert Customer No or Attach bar code label here) William M. Lee, Jr. LEE, MANN, SMITH, MCWILLIAMS, SWEENEY & OHLSON Address P.O. Box 2786 City Chicago State IL Zip Code 60690 Country U.S.A. Telephone 312-368-1300 Fax 312-368-0034 Name (Print/Type) William M. Lee, Jr. Registration No. (Attorney/Agent) 26,935	Co	ontinuation Divisional J Continuation-in-part	(CIP) of prior application No /(filed 21 Dec. 01)						
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Signature	Name	Name (Print/Type) William M. Lee, Jr. Registration No. (Attorney/Agent) 26,935							
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FEE TRANSN	IITTAL	Complete if Known				
for FY 20		Application Number				
101 1 1 20	02	Filing Date				
5 / / ·		First Named Inventor	Houston			
Patent fees are subject to annua	il revision.	Examiner Name				
		Group Art Unit		***		
TOTAL AMOUNT OF PAYMENT	\$776.00	Attorney Docket No.	476-2084.1			

METHOD OF PAYMENT				F	E CALCULATION (c	ontinued)	
1. The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to		DDIT			ES		
Deposit Account	Fee	Fee	Small Fee	Fee	Fee Descripti	on	Fee Paid
Number	Code 105	(\$) 130	Code 205		Surcharge - late filing fee of		
Deposit Account Name	127	50	227		Surcharge - late provisiona sheet		
Charge Any Additional Fee Required	139	130	139	130	Non - English specification	ı	
Under 37 CFR §§ 1 16 and 1 17	147	2,520	147	2,520	For filing a request for ex p	arte reexamination	
Applicant claims small entity status See 37 CFR § 1 27	112	920*	112	920*	Requesting publication of saction	SIR prior to Examiner	
2. Payment Enclosed	113	1,840*	113	1,840*	Requesting publication of saction	SIR after Examiner	
Check Credit card Money Other	115	110	215	55	Extension for reply within fi	rst month	
FEE CALCULATION	116	400	216	200	Extension for reply within s	econd month	
1. BASIC FILING FEE	117	920	217	460	Extension for reply within the	nird month	
Large Entity Small Entity	118	1,440	218	720	Extension for reply within for	ourth month	
Fee Fee Fee Fee Description Code (\$) Code (\$) Fee Paid	128	1,960	228	980	Extension for reply within fi	fth month	
101 740 201 370 Utility filing fee 740.00	119	320	219	160	Notice of Appeal		
106 330 206 165 Design filing fee	120	320	220	160	Filing a brief in support of a	ın appeal	
107 510 207 255 Plant filing fee	121	280	221	140	Request for oral hearing		
108 740 208 370 Reissue filing fee	138	1,510	138	1,510	Petition to institute a public	use proceeding	
114 160 214 80 Provisional filing fee	140	110	240	55	Petition to revive - unavoida	able	
SUBTOTAL (1) \$740.00	141	1,280	241	640	Petition to revive - unintenti	onal	
2 EVIDA CLAIM FEEC	142	1,280	242	640	Utility issue fee (or reissue))	
2. EXTRA CLAIM FEES Fee from	143	460	243	230	Design issue fee		
Extra Claims below Fee Paid	144	620	244	310	Plant issue fee		
Total Claims 22 -20** = 2 X 18.00 = 36.00 Independent 3 - 3** = 0 X = 0.00	122	130	122	130	Petitions to the Commissio	ner	
Multiple Dependent 3 - 3** = 0 X = 0.00	123	50	123	50	Processing fee under 37 C	FR § 117(q)	
Large Entity Small Entity	126	180	126	180	Submission of Information	Disclosure	
Fee Fee Fee Fee Description Code (\$) Code (\$)	581	40	581	40	Statement Recording each patent ass	gnment per property	
103 18 203 9 Claims in excess of 20	146	740	246	370	(times number of properties Filing a submission after fir	,	
102 84 202 42 Independent claims in excess of 3	149	740	249	370	(37 CFR § 1.129(a)) For each additional invention	on to be examined	
104 280 204 140 Multiple dependent claim, if not paid			2.0		(37 CFR § 1.129(b))		
109 84 209 42 ** Reissue ındependent claıms over original patent	179	740	279		Request for Continued Exa	` '	
110 18 210 9 ** Reissue claims in excess of 20 and over original patent	169	900	169		Request for expedited exam of a design application	nınation	
SUBTOTAL (2) \$36.00	Othe	er fee (s	ресіту)				L
or number previously paid, if greater; For Reissues, see above	*Red	uced by	/ Basic	Filing I	Fee Paid SUBTO	ΓAL (3)	\$0.00
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Name (Print/Type) William M. Lee, Jr.			(Attorney/Agent) 26,935 Telephone 312-368-1300			500	
Signature Date 01-03-02)			

SUBMITTED BY				Complete (if ap	plicable)
Name (Print/Type)	William M. Lee, Jr.	Registration No (Attorney/Agent)	26,935	Telephone	312-368-1300
Signature	1 Jellen Mi	102 X		Date	01-03-02

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CASE NO.	0476-2084.1
	Nortel

Please acknowledge receipt of the enclosed
Continuation-In-Part US Patent Application for

Houston et al

IMPROVEMENTS IN AND RELATING TO AUTO-TUNNELLING IN A HETEROGENEOUS NETWOF

Serial No. To Be Assigned

Filed: Herewith

- 1. Utility Patent Application Transmittal
- 2 Fee Transmittal for FY 2002 (in duplicate)
- 3. Amendment Accompanying Application
- 4 <u>Title Page w/Declaration (28pages), including</u> Abstract and Drawings (4 Sheets)
- 5. Check No. 47444 in the amount of \$776.00
- 6. Express Mail Certificate
- 7. Return Post Card

DUE DATE (If Any): DATE SENT WMLJ:tjb NEW APPLICATION January 3, 2002

"Express Mail" mailing label number EL 874 025 576 US

Date of deposit: January 3, 2002

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Jorge Galvan

(Typed or printed name of person mailing paper or fee)

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